

ZEITSCHRIFT FÜR KRISTALLOGRAPHIE

KRISTALLGEOMETRIE, KRISTALLPHYSIK
KRISTALLCHEMIE

BEGRÜNDET VON P.v.GROTH

HERAUSGEGEBEN VON

G.E.BACON · M.J.BUERGER · F.LAVES

G.MENZER · I.N.STRANSKI

BAND 127

Mit 181 Abbildungen im Text



FRANKFURT AM MAIN 1968
AKADEMISCHE VERLAGSGESELLSCHAFT

PRINTED IN GERMANY

Inhaltsverzeichnis des 127. Bandes

Heft 1 bis 4 • Martin J. Buerger-Festschrift

Ausgegeben im November 1968

<i>Leonid V. Azaroff</i> (Storrs, Connecticut), Mineralogy, Crystallography and M. J. BUEGER	3
<i>J. L. Amorós</i> and <i>Marisa Canut-Amorós</i> (Carbondale, Illinois), On the effect of the electron shell structure of the atoms in x-ray diffraction	5
<i>Takaharu Araki</i> and <i>Tibor Zoltai</i> (Minneapolis, Minnesota), The crystal structure of wavellite	21
<i>W. H. Barnes</i> and <i>F. R. Ahmed</i> (Ottawa, Canada), Triclinic crystals and the Buerger precession method	34
<i>Marisa Canut-Amorós</i> and <i>J. L. Amorós</i> (Carbondale, Illinois), Optical analogs as a tool in the analysis of disorder functions of the cubic form of ammonium nitrate	44
<i>Hilda Cid-Dresdner</i> and <i>Carmen Escobar</i> (Santiago, Chile), The crystal structure of ferberite, FeWO_4	61
<i>Howard T. Evans, Jr.</i> (Washington, D.C.) and <i>Rudolf Allmann</i> (Baltimore, Maryland), The crystal structure and crystal chemistry of valleriite	73
<i>J. Felsche</i> (Cambridge, Massachusetts), The alkali problem in the crystal structure of beta alumina	94
<i>Larry W. Finger</i> (Washington, D.C.) and <i>Charles W. Burnham</i> (Cambridge, Massachusetts), Peak-width calculations for equi-inclination diffraction geometry	101
<i>Karl F. Fischer</i> (Saarbrücken), Refinement of scattering factors of atoms and equipoints in crystal structures by least-squares techniques	110
<i>Clifford Frondel</i> (Cambridge, Massachusetts), Crystal chemistry of scandium as a trace element in minerals	121
<i>A. J. Frueh, Jr.</i> , and <i>J. Sygusch</i> (Montreal, Kanada), The crystal structure of a thorium aluminum alloy, Th_2Al_7	139
<i>S. Garcia-Blanco</i> and <i>J. Fayos</i> (Madrid), The crystal structure of zinc orthoborate, $\text{Zn}_3(\text{BO}_3)_2$	145
<i>Th. Hahn</i> and <i>M. Behruzi</i> (Aachen), New germanates with chain structures	160
<i>D. Hohnke</i> and <i>E. Parthé</i> (Philadelphia, Pennsylvania), The crystal structure of pyrite-related Rh_3Se_8	164
<i>Nobukazu Niizeki</i> and <i>Masatada Wachi</i> (Musasino, Tokyo), The crystal structures of $\text{Bi}_2\text{Mn}_4\text{O}_{10}$, $\text{Bi}_2\text{Al}_4\text{O}_9$ and $\text{Bi}_2\text{Fe}_4\text{O}_9$	173
<i>Hajo Onken</i> and <i>Karl F. Fischer</i> (Saarbrücken), Representation and tabulation of spherical atomic scattering factors in polynomial approximation	188
<i>William Parrish</i> (Briarcliff Manor, New York), Role of axial divergence in powder diffractometry	200

<i>Donald R. Peacor</i> (Ann Arbor, Michigan), A high temperature single crystal diffractometer study of leucite, $(K,Na)AlSi_2O_6$	213
<i>Roberto J. Poljak</i> (Baltimore, Maryland), On the symmetry of γG immunoglobulin molecules.	225
<i>W. O. Statton</i> (Wilmington, Delaware), Crystallographic studies of synthetic fibers	229
<i>P. Süssse</i> (Cambridge, Massachusetts), The crystal structure of amaranthite, $Fe_2(SO_4)_2O \cdot 7H_2O$	261
<i>Y. Takéuchi</i> (Hongo, Tokyo), Reducible Delaunay cell	276
<i>Felix J. Trojer</i> (Cambridge, Massachusetts), The crystal structure of parawollastonite	291
<i>Bernhardt J. Wuensch</i> (Cambridge, Massachusetts), Comparison of the crystallography of dixenite, mcgovernite and hematolite	309
<i>J. Zemann</i> (Wien), The crystal chemistry of the tellurium oxide and tellurium oxosalt minerals	319

Heft 5 und 6

Ausgegeben im November 1968

<i>Chi-Tang Li</i> (Toledo, Ohio), The crystal structure of $LiAlSi_2O_6$ III (high-quartz solid solution)	327
<i>Y. Takéuchi</i> and <i>M. Ohmasa</i> (Tokyo) and <i>W. Nowacki</i> (Bern), The crystal structure of wallisite, $PbTiCuAs_2S_5$, the Cu analogue of hatchite, $PbTiAgAs_2S_5$	349
<i>L. O. Andersson</i> and <i>W. G. Proctor</i> (Zürich), A nuclear magnetic resonance investigation of the crystal structure of LaF_3	366
<i>L. O. Andersson</i> (Zürich) and <i>G. Johansson</i> (Stockholm), Addendum to the paper on "A nuclear magnetic resonance investigation of the crystal structure of LaF_3 " by L. O. ANDERSSON and W. G. PROCTOR	386
<i>Mario Cannas</i> and <i>Giaime Marongiu</i> (Cagliari, Italy), Crystal and molecular structure of 5-5' biisoxazole	388
<i>M. Mammi</i> , <i>G. Carazzolo</i> , <i>G. Valle</i> and <i>A. Del Pra</i> (Padova, Italy), The crystal structure of 1,3,5-triselenane	401
<i>C. Garbuglio</i> , <i>M. Mammi</i> and <i>V. Buseti</i> (Padova, Italy), The crystal structure of β -chlorocrotonic acid (cis-form)	415
<i>T. Srikrishnan</i> and <i>R. Srinivasan</i> (Madras), Some practical aspects of the use of the new types of discrepancy factors in crystal structure refinement.	427
<i>S. Srinivasan</i> and <i>S. Swaminathan</i> (Madras), The crystal structure of phenylhydrazine, $C_6H_5 \cdot NH \cdot NH_2$	442
<i>E. Stanley</i> (Regina, Canada), The structure of $K_3MnO_4CrO_4$	450
<i>B. N. Lahiri</i> (Calcutta), Report on the structure of carbazole, $C_{12}H_9N$	456
International Summer School on Crystallographic Computing	460
Autorenregister zu Band 127	461
Sachregister zu Band 127	462